# M 5.5, 10 km S of Marmaris, Turkey

Origin Time: 2020-06-28 17:43:28 UTC (Sun 20:43:28 local)
Location: 36.7626° N 28.2623° E Depth: 61.2 km

**PAGER**
**Version 8**

Created: 1 day, 21 hours after earthquake

## Estimated Fatalities

65%
30%
4%

1   10   100   1,000   10,000   100,000
*Fatalities*

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.
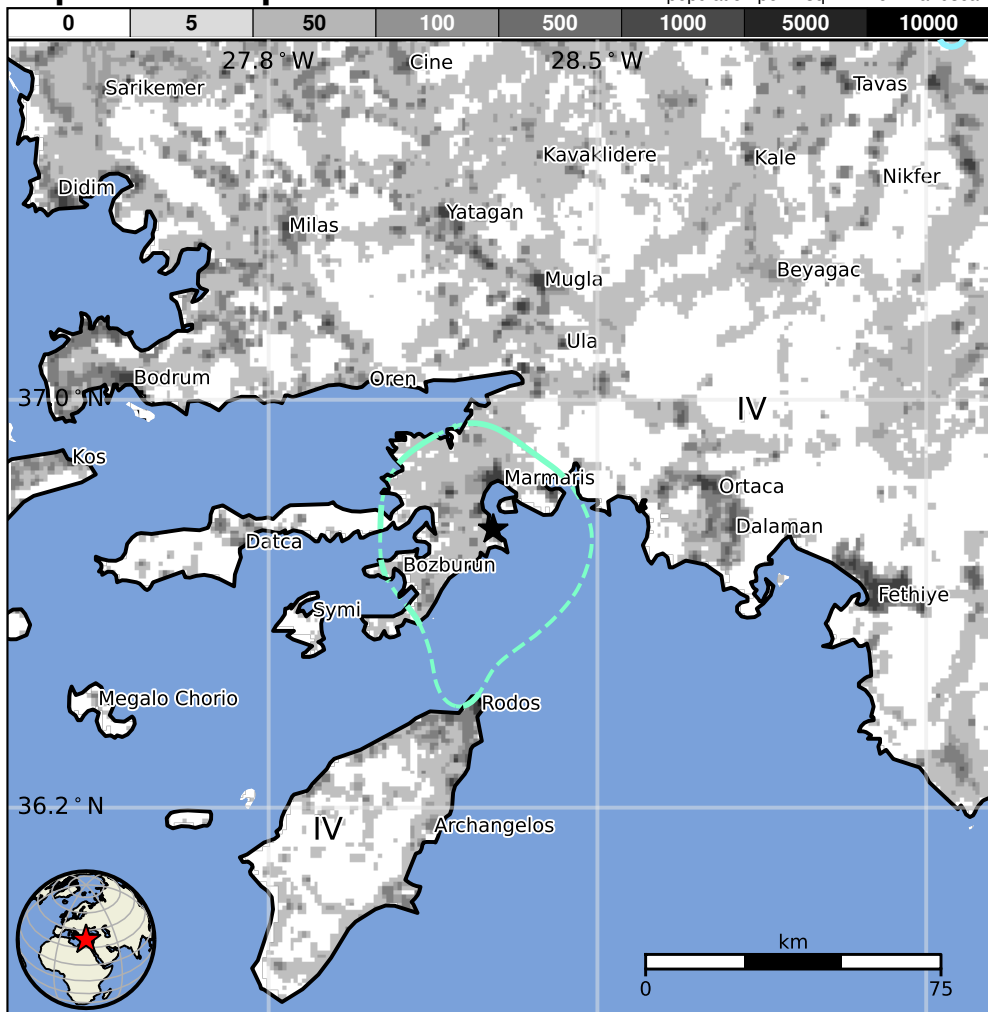
## Estimated Economic Losses

65%
30%
4%

1   10   100   1,000   10,000   100,000
*USD (Millions)*

## Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 1k* | 1,267k | 149k | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan

| 0 | 5 | 50 | 100 | 500 | 1000 | 5000 | 10000 |



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

## Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|---|---|---|---|---|
| 2002-01-21 | 210 | 4.8 | VI(97k) | 1 |
| 1974-02-01 | 216 | 5.4 | VII(2k) | 2 |
| 1970-03-28 | 290 | 6.9 | IX(66k) | 1k |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|---|---|---|
| V | **Marmaris** | **34k** |
| V | Ialysos | 11k |
| V | **Rodos** | **56k** |
| IV | **Bozburun** | **<1k** |
| IV | Kremasti | 5k |
| IV | **Datca** | **10k** |
| IV | **Mugla** | **48k** |
| IV | **Milas** | **43k** |
| IV | **Bodrum** | **39k** |
| IV | **Didim** | **26k** |
| IV | **Fethiye** | **60k** |

bold cities appear on map.          (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us7000adtk#pager

**Event ID: us7000adtk**